

### **AMENDMENTS TO THE CLAIMS**

Please amend the claims. The following listing of claims replaces all previous versions in the Application:

Claims 1 - 23. (Canceled)

24. (Currently amended) The apparatus of claim ~~[[19]]~~ 40 further comprising:

a tertiary voltage regulator to detachably couple with the load, said tertiary voltage regulator to selectively provide further additional power to the load from the second power source based at least in part on availability of the second power source, the tertiary voltage regulator has a greater power capacity and is less efficient than the secondary voltage regulator.

25. (Previously Presented) The apparatus of claim 24 further comprising:

a mobile computer, said mobile computer containing the primary voltage regulator, the secondary voltage regulator, and the load; and  
a docking station to detachably receive the mobile computer, said docking station containing the tertiary voltage regulator.

26. (Previously Presented) The apparatus of claim 25 further comprising:

a thermal dissipation device in the docking station to dissipate heat from the tertiary voltage regulator.

27. (Previously Presented) The apparatus of claim 24 wherein the feedback circuit in the primary voltage regulator to control the secondary voltage regulator to provide the additional power if a load power reaches a first threshold level and the second power source is available, and to control the tertiary voltage regulator to provide the further additional power if the load power reaches a second threshold level and both the tertiary voltage regulator and the second power source are available.

28. (Previously Presented) The apparatus of claim 24 wherein the load has at least a low performance mode, a medium performance mode, and a high performance mode, and wherein the low performance mode uses the primary power, the medium performance mode uses the primary power plus the additional power, and the high performance mode uses the primary power plus the additional power plus the further additional power.

29 - 39. (Canceled)

40. (New) An apparatus comprising:

- an output node to coupled to a load;

- a primary voltage regulator to provide primary power to the output node from at least one of a first power source or a second power source;

- a secondary voltage regulator to selectively provide additional power to the output node from the second power source based at least in part on availability of the second power source;

- a first transistor receiving an input from the primary voltage regulator, wherein the first transistor is coupled to a first terminal of a first inductor, and a second terminal of the first inductor is connected to the output node, such that the primary and secondary voltage regulators are coupled to the output node in parallel;

- a second transistor receiving an input from the secondary voltage regulator wherein the second transistor is coupled to a first terminal of a second inductor and a second terminal of the second inductor is connected to the output node;

- wherein, the secondary voltage regulator has a greater power capacity than the primary voltage regulator;

- wherein, the voltage supplied by the secondary voltage regulator to the output node is greater than the voltage provided by the primary voltage regulator; and the apparatus further comprises:

- first and second feedback networks to detect power supplied to the output node and to control the primary and secondary voltage regulators, and to detect if the second power source is available, and to detect if a load power reaches a threshold level, and wherein the first and second feedback networks monitor operating conditions of the

apparatus, and wherein the first and second feedback networks enable the secondary voltage regulator to supply additional power to the output node if the second power source is available and the load power reaches a threshold level or the operating conditions require the additional power.